

## **ABSTRACT**

**Subject:** Optimal Parameters for Barrier-free Indoor Swimming Pools Focusing on the Needs of People with Limited Motion and Orientation Abilities.

**Objectives of the thesis:** The aim of the thesis is to evaluate the optimal parameters of barrier - free indoor swimming pools taking into account the requirements of persons with reduced mobility and orientation; based on the needs of these persons and the current legal standards to list the parameters for the construction and evaluation of swimming facilities in the Czech Republic. Furthermore, to find out views on this topic in the students of the faculties of building.

**Methods:** A questionnaire survey of selected population will be carried out. Furthermore, the methods of a semistandardized interview will be used and a field research in the monitored objects will be implemented.

**Results:** The results will confirm or disprove the predetermined hypotheses and will contribute to understanding the issues. A basis for creating an optimal barrier-free project will be made.

**Keywords:** barrier-free environment, swimming pool, visual impairment, physical handicap